

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference A0852.70000	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US2005/007519	International filing date (day/month/year) 03/03/2005	(Earliest) Priority Date (day/month/year) 03/03/2004
Applicant ADRA, Chaker N.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 6 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☒ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☒ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. _____

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☒ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2005/007519

Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:
- a. type of material
- ☒ a sequence listing
- ☐ table(s) related to the sequence listing
- b. format of material
- ☒ in written format
- ☒ in computer readable form
- c. time of filing/furnishing
- ☒ contained in the international application as filed
- ☐ filed together with the international application in computer readable form
- ☒ furnished subsequently to this Authority for the purpose of search
2. ☒ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Additional comments:

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2005/007519

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12Q1/68 G01N33/53

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C12Q G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, MEDLINE, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2004/038252 A1 (SUGITA YUJI ET AL) 26 February 2004 (2004-02-26) paragraphs '0011! - '0018!; claim 1 paragraphs '0023! - '0037! paragraphs '0012!, '0013! -----	1-71
X	WO 99/10536 A (YALE UNIVERSITY; YERRAMILLI, SUBRAHMANYAM, V; PRASHAR, YATINDRA; NEWBU) 4 March 1999 (1999-03-04) examples 5,6,10 -----	1-71
X	WO 02/33122 A (GENOX RESEARCH, INC; JAPAN AS REPRESENTED BY GENERAL DIRECTOR OF NATIO) 25 April 2002 (2002-04-25) abstract ----- -/--	1-71

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

12 August 2005

Date of mailing of the international search report

22/08/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Reuter, U

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2005/007519

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/069196 A1 (LEVINSON DOUGLAS ADAM ET AL) 10 April 2003 (2003-04-10) abstract paragraphs '0340!, '0733!; example 14 -----	1-71
X	WO 97/39148 A (CEDARS-SINAI MEDICAL CENTER) 23 October 1997 (1997-10-23) example 1 -----	1-71
A	WO 02/089829 A (INNOVENTUS PROJECT AB; VENGE, PER) 14 November 2002 (2002-11-14) pages 2-4 -----	1-71

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2005/007519

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 61-69 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2005/007519

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2004038252	A1	26-02-2004	WO 0224903 A1	28-03-2002
WO 9910536	A	04-03-1999	AU 9200398 A	16-03-1999
			US 2003082512 A1	01-05-2003
			WO 9910536 A1	04-03-1999
			US 6365352 B1	02-04-2002
			US 2005084896 A1	21-04-2005
WO 0233122	A	25-04-2002	WO 0233069 A1	25-04-2002
			WO 0233122 A1	25-04-2002
			US 2004058351 A1	25-03-2004
			US 2004053282 A1	18-03-2004
US 2003069196	A1	10-04-2003	US 6455685 B1	24-09-2002
			US 6204371 B1	20-03-2001
			US 5721351 A	24-02-1998
			US 6066322 A	23-05-2000
			US 2005119209 A1	02-06-2005
			AU 5309600 A	18-12-2000
			WO 0073498 A1	07-12-2000
			US 2003158399 A1	21-08-2003
			US 6414117 B1	02-07-2002
			US 6562343 B1	13-05-2003
			US 6084083 A	04-07-2000
			US 6288218 B1	11-09-2001
			US 6156887 A	05-12-2000
			AU 718245 B2	13-04-2000
			AU 5178396 A	23-09-1996
			CA 2214589 A1	12-09-1996
			EP 0813538 A1	29-12-1997
			JP 11501807 T	16-02-1999
			WO 9627603 A1	12-09-1996
			US 6066498 A	23-05-2000
WO 9739148	A	23-10-1997	US 5916748 A	29-06-1999
			AU 2457197 A	07-11-1997
			AU 2991697 A	07-11-1997
			CA 2251567 A1	23-10-1997
			EP 0906573 A1	07-04-1999
			WO 9739148 A1	23-10-1997
			WO 9739356 A1	23-10-1997
			US 5874233 A	23-02-1999
			US 5932429 A	03-08-1999
WO 02089829	A	14-11-2002	WO 02089829 A2	14-11-2002